

water rules!

This program introduces students to the power of water. Discover how water has shaped our planet, how to test for water quality, and what lives in water.

CURRICULUM CONNECTION — Freshwater and saltwater systems

► Program Outline | 90 minutes

Greeting and Introduction

Welcome and organization

Program Activities

- **Water rules!**
This introductory discussion introduces students to the importance and power of water.
- **Stream drainage basins**
Model the development of a drainage basin by using random rolls of dice.
- **Stream table**
Observe the ability of a stream to erode, transport, and deposit materials.
- **Grinding glaciers**
Observe how water can scratch surfaces with an ice cube glacier.
- **The famous Fort McMurray fossil fuel**
Discover how water continues to play an important role in the oil sands story. Students will be exploring the exhibit gallery.
- **Water quality testing**
Test samples of water for hardness (calcium content), salinity (salt content), pH, chlorine, and alkalinity.

Conclusion and Departure

Summarize, questions and prepare to depart

